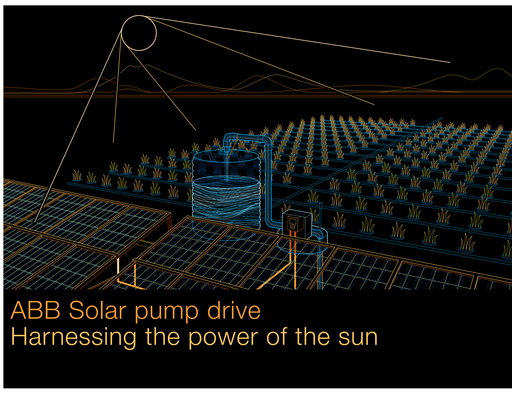


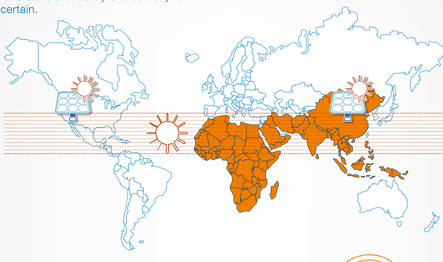
# ABB Solar pump drive
# Harnessing the power of the sun

ABB solar pump drive is an innovative solution that uses solar power as a reliable energy source for pumping water.

## Why solar pump?

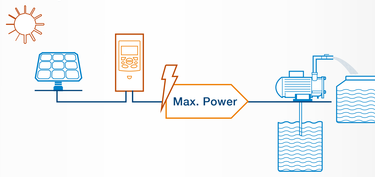
**There are still regions in the world which do not have wide coverage to grid electricity,** or where the availability of electricity is uncertain.

In many cases these regions are hot and dry, so it is vital to obtain clean water.



Meanwhile solar panels are becoming less expensive and there are more and more useful applications for them.

**The ABB solar pump drive is designed to effectively use that energy.**




## Environmentally friendly alternative

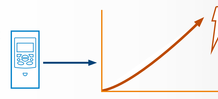
Half of the energy produced around the world is used to operate pumps.


Compared to diesel generator pumps, **the ABB solar pump drive is environmentally friendly, with a long lifetime, low maintenance costs and zero operation costs.**

## Easy and effective to use

When enough radiation is available, the ABB solar pump drive starts automatically, and the pump connected to it begins to run.

**The built-in maximum power point tracking** functionality always feeds the maximum amount of power possible from the panels to the pump.

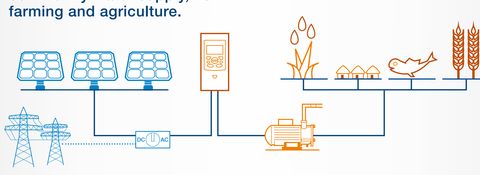


## Best off-grid solution

ABB solar pump is independent from the grid and produces no pollution or noise.

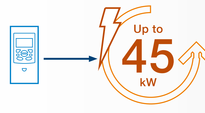
Typical applications are **irrigation, community water supply, fish farming and agriculture.**

The ABB solar pump drive can also be equipped to operate from the grid if no solar power is available.

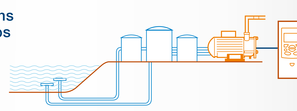



## More power, larger applications

**The power range** for ABB solar pump drive **extends from 0.37 to 45 kilowatts.**




The wide power range **enables the use** of the solar pump drives **in larger pump applications such as high power pumps in agriculture and solar desalination.**



# Solar power

enables pumping water anywhere, **in an environmentally friendly way.**

## Sources:


International Energy Agency (IEA) — World energy outlook 2014

European PV Industry Association (EPIA) — http://www.epia.org

International Energy Agency (IEA) — Medium-term renewable energy market report 2013: trends and projections to 2018